

Northamptonshire County Council.
EDUCATION COMMITTEE.

ELEVENTH
ANNUAL REPORT

ON THE
MEDICAL INSPECTION OF
CHILDREN IN SCHOOLS,
FOR THE YEAR 1918,

BY
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County Medical Officer of Health.

Inspecting Staff:
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NORTHAMPTON ;
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Prefatory Remarks. I have the honour herewith to present the Eleventh Annual Report on the Medical Inspection of Children, except where stated otherwise, in the Public Elementary Schools of the Administrative County of Northampton, exclusive of those situated in the Urban District of Kettering, where elementary education is administered separately. The period covered by the report is the year 1918.

I am indebted to Mr. J. L. Holland, the Secretary of the Education Committee, for the following administrative information :—

(a) STAFF. Dr. J. H. Mason, the School Medical Officer, was on military service during the whole of the year 1918, and the work has been carried on solely by the Acting School Medical Officer, Mrs. M. J. Newton.

(b) TREATMENT OF BLIND, AND DEAF AND DUMB CHILDREN. Particulars are submitted herewith in tabular form respecting the Institutional treatment of Blind, and Deaf and Dumb children. During the year no further new cases have been reported, so that the number who were under treatment during part or the whole of the year remains at 31. One Blind child and two Deaf and Dumb children were withdrawn from Institutions during the year on reaching the age of 16 years, whilst the responsibility for one Deaf and Dumb child was transferred to the Hendon Education Committee in October, 1918. There were thus 27 children left under treatment at the end of the year.

(c) PHYSICAL TRAINING CLASSES IN EVENING SCHOOLS. Notwithstanding that at the beginning of the Session war-time conditions obtained, some increase is to be noted in the number of Classes as compared with the Session 1917-18. 23 Classes were formed, and, although two have since been closed, the remaining 21 are still being conducted at the following schools :—Irthlingborough, Kettering Rockingham Road, Long Buckby, Rothwell and Wellingborough. With three exceptions, all the classes are for women and girls. The average attendance per class is slightly in excess of 14, which, in the circumstances, may be regarded as satisfactory. One of the classes at Kettering was arranged for Teachers only—in Eurhythmics—and has been very successful.

Particulars as to Children who were at Institutions for the Blind, and Deaf and Dumb, during any part of the Year 1918.

No.	Initials of Child.	Residence of Parent or Guardian.	Name of Institution.	Date of Entering Institution.	Date of Leaving Institution.	Annual Charge by Institution.	Weekly Contribution of Parent.	Report upon Case.
Blind Children.								
1	Florence E. E.	Hackleton.....	Royal Institution for Blind, Birmingham	20 Jan., '15	28 June, '21	£ 40	3/-	Satisfactory report.
2	Florence C.	Rushden	School for the Blind, Liverpool	29 Mar., '12	3 April, '19	30	1/6	Has been suffering from Chorea, hence little mental work undertaken.
3	N. F. B.	Bulwick	Do.	25 Oct., '12	22 Feb., '19	30	1/-	Has made good progress. Conduct excellent.
4	R. F.	Cogenhoe	Do.	25 Oct., '12	10 Mar., '21	30	1/-	Very intelligent. Has made good progress. Passed with honours Grade II. L.S.M.
5	W. C.	Little Weldon	Do.	7 Jan., '13	4 April, '21	30	1/-	Well conducted. Class work fair; manual good.
6	W. F. H. L. ..	Stanion	Do.	24 Sept., '15	17 Feb., '21	30	6d.	Has made good progress. Very promising pupil.
7	W. E. D.	Duddington	Do.	11 Jan., '16	4 Oct., '25	30	1/-	Very persevering. Making good progress.
8	C. A. B.	Bulwick	Yorkshire School for the Blind	27 Oct., '13	11 Nov., '21	30	1/-	No report received.
9	E. S.	Charlton	Brighton Asylum for the Instruction of the Blind	13 Jan., '14	29 June, '22	27	1/-	Very good report: applies himself and works well.
10	W. T.	Burton Latimer	Do.	17 Jan., '14	14 Mar., '21	30	2/-	Good at all manual work. A helpful boy in School.
11	A. H. R.	Castle Ashby	London Society for teaching and training Blind	16 Jan., '14	5 Oct., '21	40	3/-	Satisfactory
12	Kate S.	Lowick	Do.	14 Oct., '14	11 Dec., '21	40	1/-	Learns slowly, but works well; hand work very good indeed.
13	Annie F.	Cogenhoe	Do.	6 Jan., '15	10 Mar., '24	40	1/-	Doing well; hand work very good.
14	Dorothy L.	Easton	Barclay Home for Blind Girls, Brighton	20 Aug., '15	31 July, '18	30	2/-	Left the Institution in July, 1918.
Deaf and Dumb Children.								
15	S. W.	Silverstone	Royal Institution for Deaf and Dumb, Birmingham	23 Mar., '16	25 Mar., '25	33	2/6	Is doing very well.
16	Doris R.	Duston	Do.	26 April, '16	24 Sept., '20	33	1/-	Making good progress.
17	W. F. H. A. ..	Rushden	Do.	5 May, '16	20 Dec., '18	33	4/-	Left the Institution in November, 1918.
18	F. C. S.	Kilsby	Do.	23 April, '17	26 Jan., '26	33	1/6	Is making good progress. Speech improving.
19	Florence E. H.	Rushden	Royal Institution for the Deaf and Dumb, Derby	18 Nov., '11	15 Oct., '20	33	1/-	Report good, with speech "fair."
20	Ethel R.	Long Buckby	Do.	11 Jan., '12	10 Feb., '24	33	3/-	Speech "poor"; all other subjects "good."
21	Edith R.	Raunds	Do.	29 Aug., '13	6 June, '22	33	1/-	Very good report.
22	L. H.	Great Brington	Do.	16 Mar., '15	13 Oct., '22	33	6d.	Good at handwork; other attainments "fair" to "good."
23	Elsie M. F.	Wellingborough	Do.	10 Sept., '17	2 Oct., '25	33	2/6	Attainments "good"; speech only "fair."
24	Gertrude W. ..	Ringstead	Royal Schools for the Deaf and Dumb, Manchester	17 Jan., '10	2 Dec., '18	43.15	1/-	Left the Institution in December, 1918.
25	J. T.	Wellingborough	Do.	16 Jan., '11	28 July, '19	43.15	1/-	Progress slow, due to poor memory. Slight improvement in most subjects.
26	C. J.	Harpole.....	Do.	1 May, '11	18 April, '20	43.15	Nil.	Is making progress, though slowly.
27	G. H.....	Finedon	Do.	11 Jan., '13	13 Feb., '21	43.15	2/-	Quick and alert. Speech and lip-reading a drawback.
28	G. A. R.	Woodford, Thrapston	Do.	7 April, '13	30 Sept., '21	43.15	1/-	Shows great improvement.
29	A. E. P.	Brackley	Do.	6 Sept., '15	30 May, '24	43.15	1/-	Responsibility accepted by Hendon Committee, October, 1918.
30	L. G.	Grendon	Do.	17 Jan., '16	10 July, '24	43.15	2/-	Should make a good oral pupil in time.
31	Edith M. J.	Wellingborough	Deaf and Dumb Institution, Brighton	4 Sept., '16	14 Mar., '21	33	2/-	Very bad vision, which affects work. Fifth in examination in class of twelve.



(d) PROVISION OF BUILDINGS. No new buildings were provided during the year in question. The Medical Inspection Room at Brackley Council School was brought into use during the year.

(e) PROVISION OF SPECTACLES. During the year 1918, Dr. Harries-Jones saw 266 children, as against 252 in 1917, and 193 in 1916. The inspections were held at Wellingborough, Northampton, Kettering, Oundle, Rushden and Brackley. Each of the Centres was visited with the exception of Daventry, and it is expected that this one will be visited early during the current year. In 19 of the cases examined, no spectacles were found to be necessary. Spectacles have been provided for 237 of the children the remaining ten children paying for them by instalments which were not completed at the end of the year. During the year, 26 applications for assistance towards the payment of the examination fee and the cost of spectacles were considered by the Committee. In eight cases the examination fee was remitted; in five the examination fee and part of the cost of spectacles were excused; and in eight no charge at all was made. In respect of one case the Committee made no reduction. The Poor Law Guardians paid for the examination of, and the provision of spectacles for, four children.

Extent of Medical Inspection. It will be remembered that, in my report for the year 1917, I referred to the fact of limitations in the inspection of school children having been made at the instance of the Board of Education Inspector; similarly, during the year 1918, the inspections were limited to children of 11 years of age or over, and such other children as were considered to be in need of attention. These latter have been classified under the headings of "Special Cases," and "Re-examined"; they numbered in all 765 and 1,159 respectively. The parents of 48.8 per cent. of the children inspected attended during their examination, as against 52.7 per cent. in the year 1917.

The following table shows on the plan of previous years, the full number of the public elementary school children who were newly examined during the year 1918, arranged in age-groups irrespective of sex, together with the corresponding figures for the year 1917, for the sake of comparison :—

								1917	1918
(i.)	No. of children newly examined between the ages								
	of 3 and 4 years, routine inspections ..							164	
(ii.)	„ „ 4 „ 5 „ „ „ ..							308	
(iii.)	„ „ 5 „ 6 „ „ „ ..							239	
(iv.)	„ „ 6 „ 7 „ „ „ ..							129	
(v.)	„ „ 7 „ 8 „ „ „ ..							29	
(vi.)	„ „ 8 „ 9 „ „ „ ..							1	
(vii.)	„ „ 9 „ 10 „ „ „ ..							1	
(viii.)	„ „ 10 „ 11 „ „ „ ..							0	
(ix.)	„ „ 11 „ 12 „ „ „ ..							170	65
(x.)	„ „ 12 „ 13 „ „ „ ..							1624	1792
(xi.)	„ „ 13 „ 14 „ „ „ ..							357	315
(xii.)	„ „ 14 „ 15 „ „ „ ..							12	13
(xiii.)	No. of children at all ages, special inspections							1112	765
	Totals							4146	2950

From this it will be seen that there was a considerable falling off in the number of newly examined children as compared with the very favourable record for the year 1917 ; but this is fully accounted for by the unavoidable absence of the Acting School Medical Officer in the months of September and October, and by the unfortunate epidemic of Influenza which led to the closure of so many of the schools during the last three months of the year. To these same causes, moreover, is to be attributed the fact that, either wholly or in part, the schools in the following Public Health Districts were deprived of the advantages of inspections, namely, Brackley Borough and Rural, Daventry Borough and Rural, Crick Rural and Middleton Cheney Rural.

The distribution of the scholars who were examined in respect of the several Urban and Rural Districts of the County is shown in the following table :—

PUBLIC HEALTH DISTRICTS.	Routine Inspections.				Special Inspections.		TOTALS.		
	Entrants.		Leavers.						
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Total
Brackley Borough
Daventry
Higham Ferrers	16	21	11	10	27	31	58
Desborough Urban	33	47	25	14	58	61	119
Finedon	34	37	6	8	40	45	85
Irthlingborough	44	48	1	2	45	50	95
Oundle	10	13	2	2	12	15	27
Raunds	48	35	12	11	60	46	106
Rothwell	43	52	24	23	67	75	142
Rushden	129	103	32	23	161	126	287
Wellingborough	163	161	72	79	235	240	475
Brackley Rural	2	7	4	..	6	7	13
Brixworth	14	25	19	16	33	41	74
Crick
Daventry	13	13	8	12	21	25	46
Easton-on-the-Hill,	14	6	2	1	16	7	23
Gretton	7	4	2	2	9	6	15
Hardingstone	31	60	10	9	41	69	110
Kettering	111	141	31	43	142	184	326
Middleton Cheney
Northampton	41	48	9	7	50	55	105
Oundle	51	38	10	14	61	52	113
Oxendon	16	18	8	5	24	23	47
Potterspury	9	15	4	5	13	20	33
Thrapston	52	60	29	22	81	82	163
Towcester	67	69	28	33	95	102	197
Wellingborough	81	135	34	41	115	176	291
TOTALS	1029	1156	383	382	1412	1538	2950
	2185				765				

Entrants and Leavers. The following Table I. is in the form adopted from the year 1914, in accordance with the desire of the Board of Education, and shows the total of 4,109 examinations, inclusive of the 1,159 re-examinations, made during the year, as against the total of 5,552 for the year 1917.

TABLE I.

NUMBER OF CHILDREN INSPECTED FROM 1ST JANUARY TO 31ST DECEMBER, 1918. A "CODE" GROUPS.

ENTRANTS.							LEAVERS.					Grand Totals.
Years	3	4	5	6	7-10	Total	11	12	13	14	Total	
Boys	41	859	125	4	1029	1029
Girls	24	933	190	9	1156	1156
Totals	65	1792	315	13	2185	2185

B. GROUPS, OTHER THAN "CODE."*

I	Intermediate. 2	Special Cases. 3	Re-examined. 4	Totals. 5
Boys	383	565	948
Girls	382	594	976
Totals	765	1159	1924

* In areas where routine inspections have been suspended and the "ailing children" basis adopted, the number of children inspected should be entered in column 3.

Heights and Weights. The facts as to heights and weights of the children examined during 1918 are set out in Tables III. and VI. at the end of the report. From what has been said already, it is obvious that these facts can only afford indications in respect of the children at or towards the close of their school-life : but, so far as they represent average conditions in respect of such children, it is clear that both sexes show improvement of standard in respect of both height and weight at the older ages than in the year 1917, and more particularly so in the rural than in the urban districts. The anthropometric position of the boys in the rural districts appears to have been well maintained in spite of adverse war conditions in respect of dietary.

Return of Defects. In accordance with the plan of previous reports, the returns showing the physical condition of the children examined in routine inspection are set out in Table VII. at the end of this report. It will be remembered that the figures therein for the year 1918 relate only to "Leavers."

(a) CLOTHING AND CLEANLINESS. The records for satisfactory Clothing and Footgear are specially good, the percentage rates for these being 99.67 and 99.45 respectively. More satisfactory still is it to be able to note that improvement is shown over some preceding years in respect of Cleanliness of Body and of Head, the total rate for the former being 96.56 per cent., and for the latter 92.49 per cent. In respect of uncleanness of head among the girls, as compared with girl leavers in other years, it is encouraging to note that the rate for such uncleanness in 1918 was 12.4 per cent., as against 16.0 per cent in 1917, 15.7 per cent. in 1916, and 12.8 per cent. in 1915. If this record may be taken to indicate that greater disciplinary attention in the interests of the schools has been paid to this subject during the year 1918, it provides in itself sufficient ground for increased vigilance on the part of teachers.

(b) NUTRITION. Considering the war conditions with regard to food which prevailed during the year, it cannot be said that

TABLE II.

RETURN OF DEFECTS FOUND IN THE COURSE OF MEDICAL
INSPECTION IN 1918.

DEFECT OR DISEASE.		CODE GROUPS.		SPECIALS.	
		Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.	Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.
(1)		(2)	(3)	(4)	(5)
Skin	Malnutrition	5	2	4	3
	Uncleanliness—Head .. ..	..	2	..	2
	Body .. ..	..	3	..	2
	{ Ringworm—Head .. ..	..	..	..	3
	Body .. ..	..	..	..	..
	{ Scabies .. ..	..	..	..	1
	Impetigo .. ..	..	1	..	2
	{ Other Disease .. ..	..	..	1	..
Eye	{ Defective Vision & Squint	156	2	102	7
	External Eye Disease	1	1	6	5
Ear	{ Defective Hearing	1	..	7	..
	Ear Disease	2	1	4	4
Teeth	Dental Disease	54	..	12	..
Nose and Throat	{ Enlarged Tonsils	27	4	9	7
	Adenoids	4	..	31	2
	{ Enlarged Tonsils and Adenoids	3	..	6	3
	Defective Speech .. ..	..	1	..	1
Heart & Circulation	{ Heart Disease—Organic .. ..	..	18	..	15
	Functional .. ..	..	6	..	1
	Anæmia	25	4	10	5
	{ Pulmonary Tuberculosis : .. ..	..	..	..	..
Lungs	Definite	4	9	6	13
	Suspected	2	9	..	4
	Chronic Bronchitis .. ..	..	1	2	4
	{ Other Disease .. ..	..	27	1	19
Nervous System	{ Epilepsy .. ..	..	1	..	5
	Chorea .. ..	..	..	..	1
	{ Other Disease .. ..	..	..	..	1
	Non-pulm. Tuberculosis : .. ..	..	..	..	..
	Glands	5	3	2	1
	Bones and Joints .. ..	..	1	..	..
	Other Forms .. ..	..	..	..	..
	Rickets .. ..	..	..	..	..
	Deformities	2	7	3	10
	Other Defects or Diseases	18	7	7	3
TOTAL		309	110	213	124

the returns as to nutrition are otherwise than consoling. It is true apparently that the rate for "below normal" was above the average, but there was no record of any case of "bad" nutrition, and 2,053 of the 2,185 children examined showed normal conditions, while, in respect of 13 others, their nutrition is set down as being excellent. Under all the circumstances, the rate of 5.45 per cent. for sub-normal nutrition is certainly better than might have been reasonably anticipated.

(c) NOSE AND THROAT. The rate of freedom from defect in the naso-pharyngeal region amounted to 84.89 per cent., which certainly is not more than should be looked for among leavers. The figures under this heading are not appreciably better than those given in previous reports; but it is satisfactory to observe that the rate of noticeable mouth-breathers among the leavers in 1918 was slightly under 2 per cent. of the children examined, and that the rate for total tonsillar enlargement was not higher than the average. In my report for 1917, I noted that there was no evidence afforded by which it could be calculated to what extent the regular cultivation of breathing exercises had operated in the reduction of naso-pharyngeal defects as compared with the records of earlier years, and it could hardly have been supplied at any time during the period of the war under the difficult conditions in which medical inspection of school children has been carried on. But I greatly hope that, with the return to pre-war conditions, it may be possible for special observations, however limited in extent as to particular schools and classes of children at specified ages, to be set on foot for the purpose of eliciting precise information on the subject.

(d) EXTERNAL EYE DISEASE. The nearly complete absence of serious forms of external eye-disease is a matter for much satisfaction; no corneal opacities were noted and only two cases in which there was conjunctivitis. The existence of blepharitis or inflammation of the eyelids was recorded in only eleven of the 2,185 children examined.

(e) EAR DISEASE AND HEARING. Similar immunity from serious disease of the ear was also recorded, there being 99.45 per cent. of the children with "no disease," no case of obstruction in either ear, and a few cases only with discharge from one or other ear. No child was recorded as being deaf and dumb, and hearing was reckoned as normal in 99.5 per cent. of those examined.

(f) TEETH. The prospect that children leaving the public elementary schools with sound teeth at the rate of 50 per cent. of their number may be Utopian, and not likely to be realised for many years to come; but it is some satisfaction to find in this County that there is a slowly improving tendency in that direction, and the figures for 1918 show that 37.39 per cent. had sound teeth, as compared with 35.9 per cent. among the leavers in 1917. No case of sepsis was recorded; but 10.44 per cent. had four or more decayed teeth, and 52.17 per cent. less than four teeth decayed, while 59.95 per cent. were stated to have dirty teeth.

(g) DEFORMITY AND DISEASE. Deformity was found to be present in 11 cases only, or at the rate of 0.50 per cent. of those examined. This is the most satisfactory rate that I have hitherto been able to report even among leavers; the rate for the year 1917 was 1.25 per cent., which was itself below the average of previous years. I am glad also to be able to note a great improvement in respect of noticeable anæmia, a matter which occasioned some concern during the two preceding years when the rates showed unexpected increase, and it has now to be recorded that the rate for anæmia in 1918 was 1.97 per cent., as against 4.35 per cent. among the leavers in 1917. The rate of organic heart disease was less, moreover, than for the preceding year, being, in respect of leavers, 1.19 per cent., as against 2.68 per cent. in 1917. All lung conditions appeared to be better than in the year 1917, and the total freedom from disease in this respect amounted to 95.98 per cent., as against 94.92 per cent.; the same is to be said in regard to the Nervous System, and only one case of epilepsy was noted, as against two among the leavers in 1917. In neither year was any case of chorea recorded. There was an entire

absence of rickets, and only 7 cases of skin disease, of which 1 was ringworm. The foregoing records give reasonable ground for satisfaction when due account is taken of the social and climatic conditions of the year.

(h) SPEECH. There was absence of defective speech to the extent of 99.45 per cent. of the children examined, which is not quite so high as the rate of 99.63 per cent. for leavers in 1917; but the rate is a marked improvement on years preceding 1917, and is unquestionably the outcome of the continuous endeavours in the schools to overcome defective articulation by systematic exercises. The rates for defective articulation and stammering in 1918 were respectively 0.41 per cent. and 0.14 per cent., as against 0.28 per cent. and 0.09 per cent. in 1917.

(i) MENTAL CONDITION. The proportion of dull or backward children found in 1918 was much less than among the leavers in 1917, the rates for these two years being 2.97 per cent. and 4.07 per cent. respectively. Both these rates are considerable improvements on preceding years.

(j) VISION. Still more favourable than in either of the four previous years are the returns as to normal vision among leavers in 1918. The proportion of normal vision, in respect of each eye, was found to amount to 74.87 per cent., as against 70.36 per cent. in 1917, 71.39 per cent. in 1916, 67.27 per cent. in 1915, and 67.02 per cent. in 1914. I cannot but believe that this progressive improvement is one of the outcomes of early attention to conditions imperilling eyesight, in consequence of the institution of medical inspection of school children. On the other hand, it is clear that the scope for remedial treatment in respect of squint is widening, inasmuch as the rate of this defect for the year amounted to 1.19 per cent., as against 0.92 per cent. in 1917, 0.14 per cent. in 1916, 0.42 per cent. in 1915, and 0.59 per cent. in 1914. There was no case of total blindness.

TABLE IV. TREATMENT OF DEFECTS OF CHILDREN DURING 1918.

Condition.	No. of defects found for which Treatment was considered necessary.			No. of defects for which no report is available.	Left.	No. of defects treated.	Results of Treatment.			No. of defects not treated.	Percentage of defects of defects treated.
	From previous year.	New.	Total.				Remedied.	Improved.	Unchanged.		
Clothing .....	..	..	..	..	..	..	..	..	..	..	..
Footgear .....	..	..	..	..	..	..	..	..	..	..	..
Cleanliness of Head ..	1	..	1	..	..	..	..	..	..	1	00-00
Cleanliness of Body ..	..	..	..	..	..	..	..	..	..	..	..
Nutrition	3	3	6	..	..	3	..	3	..	3	50-00
Nose and Throat.....	108	84	192	7	18	59	45	14	..	108	30-72
External Eye Disease	4	7	11	1	2	7	4	3	..	1	63-63
Ear Disease	13	14	27	..	4	9	7	2	..	14	33-33
Teeth.....	60	65	125	1	36	33	29	4	..	55	26-40
Heart and Circulation	33	40	73	..	16	33	8	24	1	24	45-20
Lungs	8	16	24	..	..	17	2	15	..	7	70-84
Nervous System .....	..	..	..	..	..	..	..	..	..	..	..
Skin	2	5	7	1	..	4	3	1	..	2	57-14
Rickets .....	..	..	..	..	..	..	..	..	..	..	..
Deformities	11	4	15	..	1	7	..	7	..	7	46-66
Tuberculosis—Non-pulmonary	2	1	3	..	..	2	..	2	..	1	66-67
Speech .....	..	..	..	..	..	..	..	..	..	..	..
Mental Condition .....	..	..	..	..	..	..	..	..	..	..	..
Vision and Squint	167	300	467	13	48	227	223	4	..	179	48-60
Hearing.....	..	5	5	..	..	4	..	4	..	1	80-00
Miscellaneous	12	37	49	4	8	23	11	12	..	14	46-93
TOTAL	424	581	1005	27	133	428	322	95	1	417	42-58

Treatment of Defects. Herewith are given Tables IV. and V. in respect of treatment as required by the Board of Education. They are self explanatory ; but it is necessary to point out that the percentage of 42.58 for defects treated can hardly be regarded as very satisfactory, especially when compared with the record for the year 1917, in which 50.88 per cent. of the defects were treated. I am glad, therefore, to be able to report that negotiations have been entered into with the Northamptonshire District Nursing Association for the use of their nurses in following up defects in children found at the medical inspections, and for the treatment of verminous children. The Association have drawn up a scheme, which is now under consideration by the Education Committee, which is intended to cover the whole administrative area, with the exception of the Wellingborough, Rushden and Higham Ferrers Urban Districts, where the appointment of full-time nurses by the Education Committee has been already decided upon.

TABLE V.

INSPECTION, TREATMENT, &C., OF CHILDREN DURING 1918.

(1).	The total number of children medically inspected (whether Code Group, special, re-examined, or ailing child)	4109
(2).	The number of children in (1) suffering from defects (other than uncleanness or defective clothing or footgear) who require to be kept under observation (but not referred for treat- ment)	419
(3).	The number of children in (1) who were referred for treatment (excluding uncleanness, defective clothing, etc.)	572
(4)	The number of children in (3) who received treatment for one or more defects (excluding uncleanness, defective clothing, etc)	353

Secondary School Inspections. In the Kettering and Wellingborough High Schools, there were 47 girls examined : there were also 12 re-examinations. The rate for normal vision was well above the average, being 89.36 per cent., as against 85.72 per cent. for 1917, and 75.98 per cent. for 1916. In respect of other defects there were three cases of organic, and two of functional disease of the heart, two of anæmia, three of slightly enlarged tonsils, and one of below normal nutrition. Twenty-two girls had defective teeth—seventeen with less than four decayed, and five with four or more decayed. Eight girls had dirty teeth, and there was one case of uncleanliness of the head (nits only).

With regard to treatment, the parents of fourteen girls were written to for attention to the following defects :—Defective Teeth 9, Defective Vision 3, Anæmia 2. Teeth were extracted in four of the cases, one of the cases of anæmia received medical treatment, and glasses were obtained in the three cases of defective vision.

CHARLES E. PAGET,

County Medical Officer of Health.

COUNTY HALL,

NORTHAMPTON,

March 29th, 1919.

In respect of the columns "Ages" and "No. Examined" certain of the children were not examined, viz.:—

Aged 11—12, 5 for Height, 7 for Weight

„ 12—13, 91	„ 138	„
„ 13—14, 29	„ 41	„
„ 14—15, 2	„ 2	„

TABLE III.

AGES.	No. Examined	Sum of Heights. (Inches.)	Average Height.		Sum of Weights. (Lbs.)	Average Weight.	
			English (Inches.)	Metric (Centimetres.)		English (Lbs.)	Metric (Kilos.)
COMBINED URBAN DISTRICTS :							
BOYS,							
11—12 years of age ..	28.	1403½	54	137·1	1751½	67¼	30·5
12—13 „ „ ..	452	23631½	54¾	139·1	31514	73½	33·3
13—14 „ „ ..	39	1801	56¼	142·9	2300½	76½	34·7
14—15 „ „ ..	1	60	60	152·4	90½	90½	41·0
GIRLS.							
11—12 „ „ ..	21	1005½	53	134·6	1158½	64¼	29·1
12—13 „ „ ..	447	23483	56½	143·5	31122½	75	34·0
13—14 „ „ ..	49	2251½	57¾	146·7	2982½	78½	35·6
COMBINED RURAL DISTRICTS :							
BOYS.							
11—12 years of age ..	13	635	53	134·6	751	68¼	30·9
12—13 „ „ ..	407	21579	55¼	140·3	27343½	74¼	33·7
13—14 „ „ ..	86	4639½	58	147·3	6045½	77½	35·1
14—15 „ „ ..	3	115	57½	146·0	162½	81¼	36·8
GIRLS.							
11—12 years of age ..	3	156½	52	132·1	183	61	27·6
12—13 „ „ ..	486	26632	57	144·7	33368	75	34·0
13—14 „ „ ..	141	7998	59¼	150·5	10499½	82	37·2
14—15 „ „ ..	9	477	59½	151·1	740½	92½	41·9
2185							

TABLE VI.

SECONDARY SCHOOLS.

One girl, aged 13—14, was not examined for Height and Weight.

AGES.	No. Examined	Sum of Heights. (Inches.)	Average Height.		Sum of Weights. (Lbs.)	Average Weight.	
			English. (Inches.)	Metric (Centimetres.)		English (Lbs.)	Metric (Kilos.)
GIRLS.							
6— 7 years of age ..	1	46	46	116·8	46½	46½	21·1
8— 9 " " " ..	5	248½	49¾	126·3	277	55¼	25·0
9—10 " " " ..	2	110½	55¼	140·3	140½	70¼	31·8
10—11 " " " ..	10	527½	52¾	134·0	611	61	27·6
11—12 " " " ..	11	632	57½	146·0	816	74	33·6
12—13 " " " ..	10	592½	59¼	150·5	924	92¼	41·8
13—14 " " " ..	7	371½	61¾	156·8	547	91	41·3
14—15 " " " ..	1	58	58	147·3	84	84	38·1
47							

TABLE VII. Return Showing Physical Condition of Children Inspected.
 TOTAL (URBAN AND RURAL DISTRICTS COMBINED).

CONDITION.		LEAVERS.			
		Boys.	Girls.	Total.	Per Cent.
Total Inspected		1029	1156	2185	..
CLOTHING	Satisfactory	1027	1151	2178	99·67
	Unsatisfactory	2	5	7	0·33
FOOTGEAR	Satisfactory	1026	1147	2173	99·45
	Unsatisfactory	3	9	12	0·55
CLEANLINESS OF HEAD	Clean (i.e., no nits or pediculi)	1009	1012	2021	92·49
	Nits only	19	141	160	7·32
	Pediculi.....	1	3	4	0·19
CLEANLINESS OF BODY.	Clean	991	1119	2110	96·56
	Dirty	35	32	67	3·07
	Pediculi present ..	3	5	8	0·37
NUTRITION	Excellent	5	8	13	0·59
	Normal	960	1093	2053	93·96
	Below Normal	64	55	119	5·45
	Bad .....	..	..	..	..
NOSE AND THROAT	No defect	881	974	1855	84·89
	Mouth Breathers ..	29	14	43	1·97
	Tonsils slightly enlarged	101	137	238	10·89
	Tonsils much enlarged	17	28	45	2·06
	Adenoids, slight ..	34	40	74	3·39
	Adenoids, marked ..	1	1	2	0·09
EXTERNAL EYE DISEASE	No disease	1015	1143	2158	98·76
	Blepharitis	11	12	23	1·05
	Conjunctivitis	2	1	3	0·14
	Corneal Opacities ..	..	..	..	..
	Other disease	1	..	1	0·05
EAR DISEASE	No disease	1024	1149	2173	99·45
	Obstruction—Right ..	..	..	..	..
	Obstruction—Left ..	..	..	..	..
	Otorrhœa—Right ..	2	4	6	0·27
	Otorrhœa—Left ..	2	2	4	0·19
	Other disease	1	1	2	0·09
TEETH	Sound	372	445	817	37·39
	Less than 4 decayed	533	607	1140	52·17
	Four or more decayed	124	104	228	10·44
	Sepsis .....	..	..	..	..
HEART AND CIRCULATION ..	No disease	988	1099	2087	95·52
	Organic Disease	12	14	26	1·19
	Functional disease ..	19	10	29	1·32
	Anæmia	10	33	43	1·97
	Other defects .....	..	..	..	..
LUNGS	No disease	972	1125	2097	95·98
	Chronic Bronchitis & Bronchial Catarrh	9	8	17	0·78
	Tuberculosis	11	3	14	0·64
	Tuberculosis suspected	9	4	13	0·59
	Other disease	28	16	44	2·01
NERVOUS SYSTEM	No disease	1027	1153	2180	99·76
	Epilepsy	1	..	1	0·05
	Chorea .....	..	..	..	..
	Other disease	1	3	4	0·19
SKIN	No disease	1025	1153	2178	99·67
	Ringworm, Body ..	..	..	..	..
	Ringworm, Head ..	..	1	1	0·05
	Impetigo	3	..	3	0·14
	Scabies .....	..	..	..	..
	Other disease	1	2	3	0·14
RICKETS	No disease	1029	1156	2185	100·
	Slight .....	..	..	..	..
	Marked .....	..	..	..	..
DEFORMITIES ..	No deformity	1024	1150	2174	99·50
	Deformity present ..	5	6	11	0·50
TUBERCULOSIS Non-Pulmonary	No disease	1029	1155	2184	99·95
	Glandular .....	..	1	1	0·05
	Bones and Joints ..	..	..	..	..
	Other forms .....	..	..	..	..
SPEECH	Not defective	1021	1152	2173	99·45
	Defective Articulation	6	3	9	0·41
	Stammering	2	1	3	0·14
MENTAL CONDITION	Normal	980	1135	2115	96·80
	Dull or Backward ..	47	18	65	2·97
	Mentally defective, all grades	2	3	5	0·23
VISION.....	6/6 each eye (Vision Normal)	779	857	1636	74·87
	6/6 Right	67	82	149	6·82
	Left	53	58	111	5·08
	6/9 Right	114	129	243	11·13
	Left	120	142	262	11·99
	6/12 Right	24	34	58	2·65
	Left	28	36	64	2·93
	6/18 Right	23	26	49	2·24
	Left	21	31	52	2·38
	6/24 Right	8	10	18	0·82
	Left	10	8	18	0·82
	6/36 Right	11	10	21	0·96
	Left	9	11	20	0·92
	6/60 Right	2	6	8	0·37
	Left	5	5	10	0·46
	6/0 Right	1	2	3	0·14
	Left	4	8	12	0·55
SQUINT		14	12	26	1·19
HEARING (Whisper)	20 ft. each ear (Hearing Normal)	1024	1150	2174	99·50
	20 ft. Right	2	3	5	0·23
	Left.....	3	3	6	0·27
	10 ft. Right	3	3	6	0·27
	Left.....	2	3	5	0·23
	5 ft. Right .....	..	..	..	..
	Left.....	..	..	..	..